



Chicago Metropolitan Agency for Planning

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Planning Research & Analysis Intern (REAN2017) February 16, 2017

Job Category: Research & Analysis Intern
Experience Required: Current Enrollment in Graduate Program
Salary Range: \$15.00 per hour

The Chicago Metropolitan Agency for Planning (CMA) is seeking to hire an intern in the Research & Analysis Division of the Planning Department. The Chicago Metropolitan Agency for Planning (CMA) is our region's comprehensive planning organization. The agency and its partners are developing ON TO 2050, a new long-range plan to help the seven counties and 284 communities of northeastern Illinois implement strategies that address transportation, housing, economic development, open space, the environment, and other quality-of-life issues. See www.cmap.illinois.gov for more information. For more about the LTA program, visit <http://www.cmap.illinois.gov/lta>.

Position Description

The intern will work with the Research and Analysis team in an ongoing project to scan and geo-reference historical aerial photographs of the Chicago region using ESRI's ArcGIS software. This will be a 12-week internship at 37.5 hours/week, with approximately 50% of the time dedicated to the scanning project; concurrent with this task will be a variety of geographic information system (GIS)-based data development activities to support long-range forecasting work at CMA.

Essential Functions

- Operate large-format scanner to scan aerial imagery
- Enter metadata into Access database
- Geo-reference scanned imagery using ArcGIS
- Perform research to support land use, development, and employment monitoring activities
- Edit vector GIS data (digitization and attribute update)
- Conduct quality control and quality assurance on methods and procedures
- Thoroughly document work products for use by other CMA staff

Knowledge, Skills and Abilities

Knowledge of general GIS concepts and functions; familiarity with ArcMap interface is required, as are basic office computer skills (word processing, data entry). Prior experience with georeferencing raster imagery strongly desired, along with experience in digitizing/editing vector datasets; knowledge of Python scripting and automation techniques helpful.

Education and Experience

Applicants for the position should be enrolled in a graduate degree program in geography, urban planning, environmental studies, or a related field.

Internship Timeframe

Depending on the student's availability, this is a full-time summer position beginning in May or June 2017. It could potentially continue into the 2017-18 school year, but that is not guaranteed. Minor start and end-date accommodations may be made upon request.

Contact Information

Please submit cover letter and resume via our website at:

<http://www.cmap.illinois.gov/about/careers>. Please refer to **Job Code (REAN2017)**.

Posting End Date

This posting will close on March 16, 2017 at 5:00 p.m. CDT. All applications must be completed and submitted within the 30-day timeframe.

The Chicago Metropolitan Agency for Planning is an Equal Opportunity Employer.